

**Table S2: Endocytic proteins visualized in the GFP screen**

Screening Rank	Systematic Name	Common Name	PCC $\pm$ SD
1	YIR006C	PAN1	0.863 $\pm$ 0.01
2	YNL084C	END3	0.825 $\pm$ 0.06
3	YFR024C	YSC85	0.779 $\pm$ 0.06
4	YNL243W	SLA2	0.727 $\pm$ 0.11
5	YLR206W	ENT2	0.704 $\pm$ 0.04
6	YBL007C	SLA1	0.695 $\pm$ 0.09
7	YHR161C	YAP1801	0.646 $\pm$ 0.09
8	YJR005W	APL1	0.626 $\pm$ 0.18
9	YLR337C	VRP1	0.615 $\pm$ 0.39
10	YNR035C	ARC35	0.594 $\pm$ 0.07
11	YIL034C	CAP2	0.584 $\pm$ 0.11
13	YJL021C	BBC1	0.559 $\pm$ 0.04
14	YGL181W	GTS1	0.547 $\pm$ 0.12
15	YIL062C	ARC15	0.539 $\pm$ 0.07
16	YOR181W	LAS17	0.536 $\pm$ 0.05
17	YLR370C	ARC18	0.529 $\pm$ 0.13
18	YGR080W	TWF1	0.527 $\pm$ 0.11
19	YKL013C	ARC19	0.526 $\pm$ 0.05
21	YIL095W	PRK1	0.505 $\pm$ 0.12
25	YKL007W	CAP1	0.482 $\pm$ 0.12
26	YCR088W	ABP1	0.481 $\pm$ 0.13
27	YMR109W	MYO5	0.473 $\pm$ 0.05
28	YOL062C	APM4	0.473 $\pm$ 0.15
30	YOR367W	SCP1	0.463 $\pm$ 0.10
31	YDL161W	ENT1	0.460 $\pm$ 0.31
32	YCR030C	SYP1	0.456 $\pm$ 0.01
35	YGR241C	YAP1802	0.451 $\pm$ 0.07
37	YBL047C	EDE1	0.445 $\pm$ 0.19
40	YHR114W	BZZ1	0.434 $\pm$ 0.20
41	YCR009C	RVS161	0.430 $\pm$ 0.05
57	YLR429W	CRN1	0.388 $\pm$ 0.19
59	YDR388W	RVS167	0.386 $\pm$ 0.12
65	YPR171W	BSP1	0.381 $\pm$ 0.12
70	YJR058C	APS2	0.375 $\pm$ 0.14
89	YNL020C	ARK1	0.328 $\pm$ 0.11
90	YIR003W	AIM21	0.327 $\pm$ 0.08
99	YNL106C	INP52	0.318 $\pm$ 0.09
140	YBR234C	ARC40	0.262 $\pm$ 0.07
155	YDR348C	PAL1	0.244 $\pm$ 0.11

158	YKL129C	MYO3	0.242 ± 0.04
171	YBL037W	APL3	0.227 ± 0.05
183	YBR059C	AKL1	0.216 ± 0.11
318	YDL029W	ARP2	-0.005 ± 0.09
319	YDR129C	SAC6	-0.016 ± 0.03